


**DETECTING NEUROLOGICAL DYSFUNCTION**

**Patent number:** CA2428116  
**Publication date:** 2002-05-10  
**Inventor:** PLESS BENJAMIN D (US)  
**Applicant:** NEUROPACE INC (US)  
**Classification:**  
- international: **A61B5/0484; A61N1/36; A61B5/00; A61B5/0476; A61N1/36; A61B5/00; (IPC1-7): A61B5/0484; A61N1/36**  
- european: A61B5/0484; A61N1/36  
**Application number:** CA20012428116 20011102  
**Priority number(s):** US20000706322 20001103; WO2001US45784 20011102

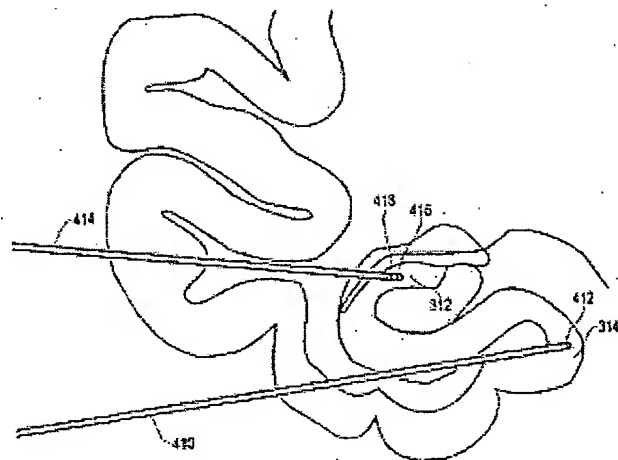
Also published as:

 WO0236003 (A1)

[Report a data error here](#)

**Abstract of CA2428116**

A system and method for determining and predicting a patient's susceptibility to neurological dysfunction based on measured electrophysiological parameters employs a self-contained implantable device (110) with depth electrodes (612, 614, 616, 618) implanted in desired locations in the patient's brain. The patient's neurological tissue is stimulated to determine excitability and refractoriness (or inhibition period) parameters, which are employed to identify susceptibility to abnormal neurological activity, particularly epileptic seizures.



Data supplied from the **esp@cenet** database - Worldwide